



# **STIC Search Report**

**EIC 2800**

**STIC Database Tracking Number: 163628**

**TO: Karl Tamai  
Location: JEF-9A71  
Art Unit : 2834  
Friday, October 14, 2005**

**Case Serial Number: 09/885942**

**From: Darcy Bates  
Location: EIC 2800  
JEF- 4B68  
Phone: 571-272-2540**

**darcy.bates@uspto.gov**

## **Search Notes**

**Re: 09/885,942 US 5,914,548**

**Attached are search results.**

**No U. S. litigation was found in searches of  
Lexis-Nexis and Questel-Orbit databases.**

**If more searching or explanation is needed, please let  
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**Thanks,**

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Patent Search - Number: 5,914,548

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Terms: **patno=5914548** ([Edit Search](#) | [Suggest Terms for My Search](#))

773180 (08) 5914548 June 22, 1999

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

**5914548**

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June 22, 1999

Sealed actuator

**REISSUE:** Reissue Application filed Jun. 22, 2001 (O.G. Nov. 6, 2001) Ex. Gp.: 2834; Re. S.N. 09/885,942, (O.G. November 6, 2001)

**INVENTOR:** Watanabe, Hayao - Gunma, Japan (JP); Horikoshi, Atsushi - Gunma, Japan (JP)

**APPL-NO:** 773180 (08)

**FILED-DATE:** December 27, 1996

**GRANTED-DATE:** June 22, 1999

**PRIORITY:** December 28, 1995 - 7343805, Japan (JP); December 25, 1996 - 8355764, Japan (JP)

**ASSIGNEE-AT-ISSUE:** NSK Ltd., Tokyo, Japan (JP), 03

**ASSIGNEE-AFTER-ISSUE:** June 4, 1997 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., NSK LTD. 6-3, OHSAKI 1-CHOME, SHINAGAWA-KU TOKYO JAPAN, Reel and Frame Number: 08611/0501

**LEGAL-REP:** Sughrue, Mion, Zinn, Macpeak & Seas, PLLC

**PUB-TYPE:** June 22, 1999 - Utility Patent having no previously published pre-grant publication (A)

**PUB-COUNTRY:** United States (US)

**US-MAIN-CL:** 310#88

**US-ADDL-CL:** 310#68B, 310#112

**CL:** 310

**SEARCH-FLD:** 310#68 .B, 310#84, 310#86, 310#88, 310#89, 310#112, 310#114

**IPC-MAIN-CL:** 6H 02K005#10


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Syntax	Definition
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<a href="#">not w/N</a>	not within N words
<a href="#">pre /N</a>	precedes by N words
<a href="#">w/p</a>	in same paragraph
<a href="#">not w/p</a>	not in same paragraph
<a href="#">w/seg</a>	in same segment
<a href="#">not w/seg</a>	not in same segment
<a href="#">w/s</a>	in same sentence
<a href="#">not w/s</a>	not in same sentence
<a href="#">and not</a>	and not
<a href="#">View Search Comman</a>	

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Query/Command : file pluspat

Selected file: PLUSPAT

Search statement 1

Query/Command : us5914548/pn

\*\* SS 1: Results 1

Search statement 2

Query/Command : prt fu legalall max

1 / 1 PLUSPAT - @QUESTEL-ORBIT - image  
PN - US5914548 A 19990622 [US5914548]  
TI - (A) Sealed actuator  
PA - (A) NSK LTD (JP)  
PAO - NSK Ltd., Tokyo [JP]  
IN - (A) WATANABE HAYAO (JP); HORIKOSHI ATSUSHI (JP)  
AP - US77318096 19961227 [1996US-0773180]  
PR - JP34380595 19951228 [1995JP-0343805]  
JP35576496 19961225 [1996JP-0355764]  
IC - (A) H02K-005/10 H02K-007/20 H02K-011/00  
EC - H02K-005/128  
H02K-007/20  
H02K-011/00  
PCL - ORIGINAL (O) : 310088000; CROSS-REFERENCE (X) : 310068000B  
310112000  
DT - Basic  
CT - US2669667; US2809310; US2993131; US3686556; US4893078; US5270600;  
US5291087; US5394043; US5446966; US5469035; US5641276; JP3-150041;  
JP3-150042; WO9423911  
STG - (A) United States patent  
  
AB - A sealed actuator includes a motor stator having rotation-drive magnetic poles; a motor rotor arranged so as to confront magnetic pole surfaces of the motor stator while interposing a small distance therebetween and rotatably supported through roller bearings; and displacement detecting means for measuring displacement of the motor rotor. A partition wall made of a nonmagnetic metal is disposed in a clearance between the motor stator and the motor rotor, so that the inner space where the motor stator is disposed is hermetically covered. The bearings are disposed at both sides of the partition wall in the axial direction so that the load applied to the bearings are directly received by a housing. At least a part of the partition wall is reinforced by reinforcing members and a mold agent is charged into the space on the motor stator side.

1 / 1 LGST - @EPO  
PN - US5914548 A 19990622 [US5914548]  
AP - US77318096 19961227 [1996US-0773180]  
ACT - 19970604 US/AS02-A  
ASSIGNMENT OF ASSIGNOR'S INTEREST  
OWNER: NSK LTD. 6-3, OHSAKI 1-CHOME, SHINAGAWA-KU TOKYO,;

10/14/05

US 5,914,548

09/885942

EFFECTIVE DATE: 19970224

19970604 US/AS02-A  
ASSIGNMENT OF ASSIGNOR'S INTEREST  
OWNER: WATANABE, HAYAO; EFFECTIVE DATE: 19970224

19970604 US/AS02-A  
ASSIGNMENT OF ASSIGNOR'S INTEREST  
OWNER: HORIKOSHI, ATSUSHI; EFFECTIVE DATE: 19970224

20011106 US/RF-A  
REISSUE APPLICATION FILED  
EFFECTIVE DATE: 20010622

UP - 2003-22

1 / 1 CRXX - @CLAIMS/RRX  
AN - 3160308  
PN - 5,914,548 A 19990622 [US5914548]  
PA - NSK Ltd JP  
PT - E (Electrical)  
ACT - 20010622 REISSUE REQUESTED  
ISSUE DATE OF O.G.: 20011106  
REISSUE REQUEST NUMBER: 09/885942  
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2834

Reissue Patent Number:

UP - 2001-45  
UACT- 2001-11-06

Search statement 2

Query/Command : fam us5914548/pn

1 Patent Groups  
\*\* SS 2: Results 2

Search statement 3

Query/Command : famstate nonstop

1 / 2 PLUSPAT - @QUESTEL-ORBIT - image  
PN - JP9238438 A 19970909 [JP09238438]  
STG - (A) Doc. Laid open to publ. Inspec.  
TI - (A) CLOSED ACTUATOR  
PA - (A) NIPPON SEIKO KK  
PAO - (A) NIPPON SEIKO KK  
IN - (A) WATANABE ITSUO; HORIKOSHI ATSUSHI

10/14/05

US 5,914,548

09/885942

IC - (A) H02K-005/12  
AP - JP35576496 19961225 [1996JP-0355764]  
PR - JP34380595 19951228 [1995JP-0343805]  
JP35576496 19961225 [1996JP-0355764]

2 / 2 PLUSPAT - @QUESTEL-ORBIT - image  
PN - US5914548 A 19990622 [US5914548]  
STG - (A) United States patent  
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AP - US77318096 19961227 [1996US-0773180]  
PR - JP34380595 19951228 [1995JP-0343805]  
JP35576496 19961225 [1996JP-0355764]  
EC - H02K-005/128  
H02K-007/20  
H02K-011/00  
PCL - ORIGINAL (O) : 310088000; CROSS-REFERENCE (X) : 310068000B  
310112000  
DT - Basic

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PN - US5914548 A 19990622 [US5914548]  
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ASSIGNMENT OF ASSIGNOR'S INTEREST  
OWNER: WATANABE, HAYAO; EFFECTIVE DATE: 19970224  
  
19970604 US/AS02-A  
ASSIGNMENT OF ASSIGNOR'S INTEREST  
OWNER: HORIKOSHI, ATSUSHI; EFFECTIVE DATE: 19970224  
  
20011106 US/RF-A  
REISSUE APPLICATION FILED  
EFFECTIVE DATE: 20010622  
UP - 2003-22


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<a href="#">and</a>	and
<a href="#">or</a>	or
<a href="#">w/N</a>	within N words
<a href="#">not w/N</a>	not within N words
<a href="#">pre /N</a>	precedes by N words
<a href="#">w/p</a>	in same paragraph
<a href="#">not w/p</a>	not in same paragraph
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<a href="#">not w/seg</a>	not in same segment
<a href="#">w/s</a>	in same sentence
<a href="#">not w/s</a>	not in same sentence
<a href="#">and not</a>	and not

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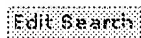
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